

IGS Audio

NE71

Mic/Istr/Line Mono Preamplifier

User's Manual



Description

The NE71 is a classic circuit based on the legendary British preamp from the 1980s. As in all IGS Audio devices the NE71 is a full symmetric transformer balanced preamp. It is a pure A class circuit with the audio path reduced to minimum (ultra-short connections between elements). The construction consists of two steps of gain. The Gain and Output knobs drive the individual steps. The input is a LL1538 Lundahl transformer. It is a 1U unit.



CAUTION / AVIS



**RISK OF ELECTRICAL SHOCK. DO NOT OPEN.
RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR.**

**CAUTION: TO REDUCE THE RISK OF FIRE OR ELECTRICAL
SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR
MOISTURE. TO REDUCE THE RISK OF ELECTRICAL
SHOCK DO NOT REMOVE TOP OR BOTTOM COVER.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

Front panel

1. HiZ input: used for instrument input
2. Mic/HiZ switch: selects input between rear(XLR) and front(HiZ)
3. +48V switch: enables phantom power
4. -20db Pad switch: reduces input gain by 20dB for (Note: for XLR input only)
5. Phase switch: reverses the phase (Note: for XLR input only)
6. Gain selector: manipulates first stage amplification saturation
7. Output selector: manipulates second stage amplification saturation
8. VU meter
9. Power indicator
10. Power switch

Rear Panel

From left to right:

1. Power socket 230V AC 50Hz-60Hz
2. Fuse 315 mA Slow Blow
3. Identification plate
4. Output – right
5. Input – right
6. Output – left
7. Input - left

Getting started

1. Connect the NE71 output to your sound interface input with a symmetrical XLR wire
2. Connect your microphone to the rear XLR input or instrument into the front HiZ input
!select the input with the HiZ switch
3. Activate the selected input channel on your local mixer
4. Set the Gain switch to 40 and the Output knob to 0
5. For transistor condensed microphones switch on phantom power (+48V up position)
6. For loud input signals (like snare drum) switch on -20dB Pad (up position)
7. Switch on the NE71
8. Turn the Output switch until the audio volume is right
9. If volume is out of range adjust the Gain knob

Typical usage:

- Great microphone preamp with or without phantom power
- Good preamp for any other mono instruments
- Handy for vocal and guitar on stage
- Great for high signals like an acoustic snare or kick

The NE71 design has been well known and appreciated since the 1980s. This is a preamp that will satisfy all your needs.

Notice

1. No manipulation inside the device by any unauthorized person is allowed.
2. If you want to mount your device on a rack, then you may remove the four rubber stands from under the device.

Specification

- 1 balanced XLR Mic/Line Input
- 1 unbalanced, high resistance HiZ Input on front panel
- 1 balanced XLR Output
- +4dB operating level
- Maximum Output +29 dBV
- Gain 60dB
- HiZ impedance 1 MOhm
- Output impedance 600 Ohm
- Frequency response 20Hz to 20kHz; +/- 0.3dB
- THD <0.01% @ 1Khz, +20dBu
- Dynamic range 109dB
- Meters read VU
- Internal power supply
- Mains consumption 25 Watts
- 230V/110V Power option
- Shipping weight 5 kg

Warranty

Warrants this device to be free from defects in material and workmanship for a period of three years. Any device found defective within three years from the delivery date and returned to the factory with transportation charges prepaid will be repaired, adjusted, or replaced at no charge to the original purchaser. This warranty does not cover expendable items such as tubes or fuses. If the defect has been caused by a misuse or abnormal operation conditions, the repair will be billed at a nominal cost